

## INFORMATION REPORT

COUNTRY East Germany

SUBJECT Manufacture of Improved Transformer Sheet  
East Germany

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1. Several experimental smeltings have been undertaken to improve the quality of transformer sheet for the construction of generators. In the period of 15 to 18 July 1952, the Riesa steel mill cast eleven transformer sheet smeltings, of which only two smeltings reached the rolling stage, because most of them showed faults resulting from excessive or insufficient silicon content. A part of these smeltings are being rolled into mill bars in Hennigsdorf and three remaining smeltings will be rolled in Riesa during August. The mill bars rolled at Riesa are presently in the Burg rolling mill and are to be rolled into plate on 25 July.
2. The results from the electric foundry 2231 with 3.6 percent silicon are now in. The watt loss amounts to 1.56 W/kg. The bending figures vary between 3 and 10, on the average 4 to 6. These are the first experiments with an electric furnace foundry. The foundry has already produced 3,800 kg. of plate.
3. After this successful rolling of steel according to the new analysis, there only remains the task of normalized the smelting and rolling process to insure the future production of transformer sheet of the required quality. The problem had been to manufacture transformer plate with a maximum watt loss of 1.7 and a bending figure of 4.

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